

FIG. 1
(SEQ. ID NO: 1 & 2)

10 20 30 40 50 60 70 80 90
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ATGCTTTGG AACAGACCA GTCACAGAT TTATATATG AGGAATGCA ATGATATCC ACTATGACT ATGATCAATA TCAATCATC
M A L E Q N Q S T D Y Y Y B E N E M N G T Y D Y S Q Y E L I
180
TGTATCAAG AAGTGTGAG AGATTGCA AAATTTTCC TCCCTGINT CCTACATAA GTTTTGCA TTGACTTCC AGCAATTC
C I K E D V R E F A K V F L P V F L T I V P V I G L A G N S
270
ATGGTAGTG CAATTATTC CTATATACG AACACAGCA CCAATACGA TGTGTATC CTAATTGG CTTATACGA TTATCTCTT
M V V A I Y A Y Y K K Q R T K T D V Y I L N L A V A D L L L
360
CTATATCTC TCCCTTTG GCCCTATAT GCATCTATG GTGGGTTT AGGGAATAA ATGTCATAA TAACTTACG CTGTGATCA
L F T L P P W A V N A V H G W V L G K I M C K I T S A L Y T
450
CTAACTTTC TCCTGANT CCAGTTTCTG CCTGTATCA CCAATACAG ATATGTGCA GTACTAAG TCCCTACCA ATCAAGTGG
L N F V S G M Q F L A C I S I D R Y V A V T K V P S Q S G V
540
GGAATCTC GCCTGATAT CTGTTTCTGT GTCTGTGG CTGCTATCT CTTGAGCTA CCCCAGTGG TTTTATATC AGTAAATCA
G K P C W I I C F C V W M A A I L L S I P Q L V F Y T V N D
630
AATCTPAGT GCATCTCT TTCTCTCTG TACCTAGAA CATTATGAA AGCTATAT CAATCTAG AGATCTGAT TCGATTGTA
N A R C I P I F P R Y L G T S M K A L I Q M L E I C I G F V
720
GTACCTTC TTATATGG GTTGCTATC TTATATACG CAGGATCT CAGGATCT CCAATATTA AATATCTCG ACCCTAATA
V P F L I M G V C Y F I T A R T L M K M P N I K I S R P L K
810
GTCTCTCA CAGCTGAT AGTTTATAT GTACTATAC TCCCTATTA CATTCTAAG TTCTCTGAG CCAATGAT CATCTACTC
V L L T V V I V P I V T Q L P Y N I V K F C R A I D I I Y S
900
CTGTATCA GCTGATAT GAGATATC ATGCTATCG CCACTAAGT CAGGATAGC ATCCATCT TTCTGAGTG CTTCAATCA
L I T S C N M S K R M D I A I Q V T E S I A L F H S C L N P
990
ATCTTTATG TTTTATGG AACAATTC AATATATG TTATGAGT GGTATGATA TATCTCTCT GGTATGCA GAGCAATGT
I L Y V F M G A S F K N Y V M K V A K K Y G S W R R Q R Q S
1080
GTGAGCAT TTCTTTTCA TTCTGAGGT CTTATGAGC CAGCAGTAC TTATGATTT TAAGTATAA ACCTCTCTC CTTTCTTG
V E E F P F D S E G P T E P T S T F S I . R . N C S A F C L
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D T Y E . C P P L K . N I C L I L K K K K

A

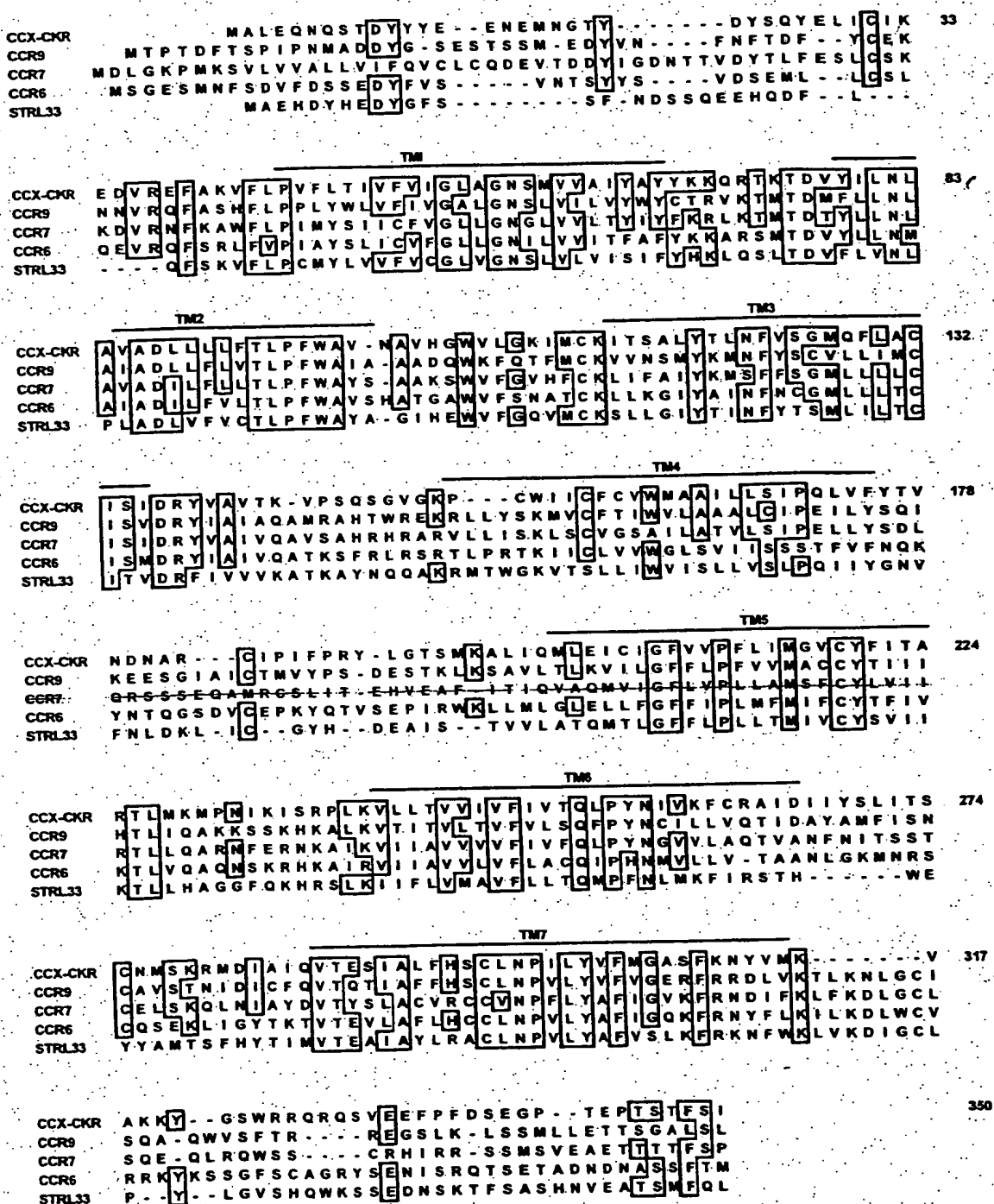


FIG. 2(a)

B

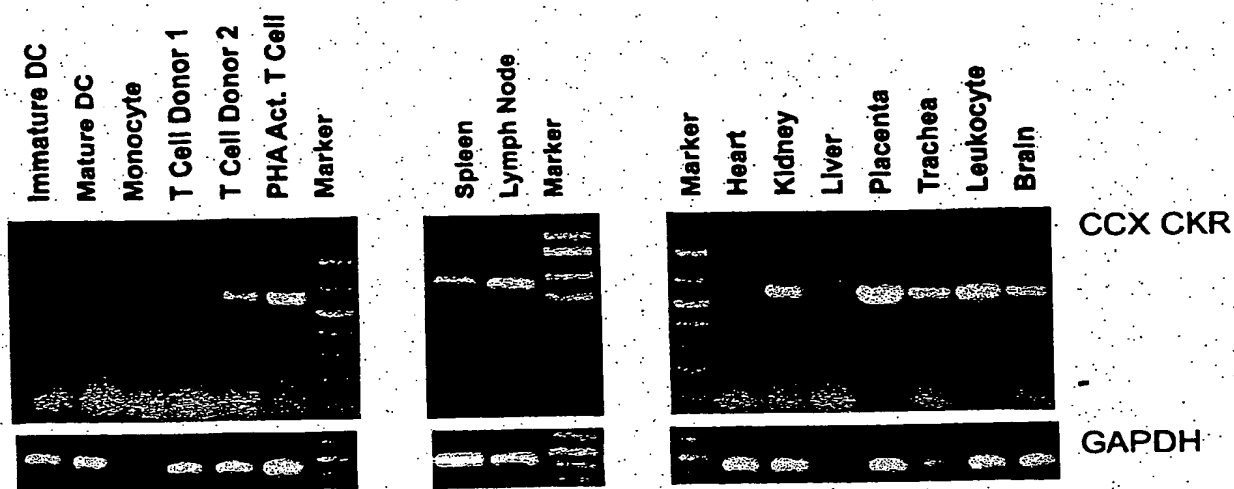


FIG. 2(b)

C

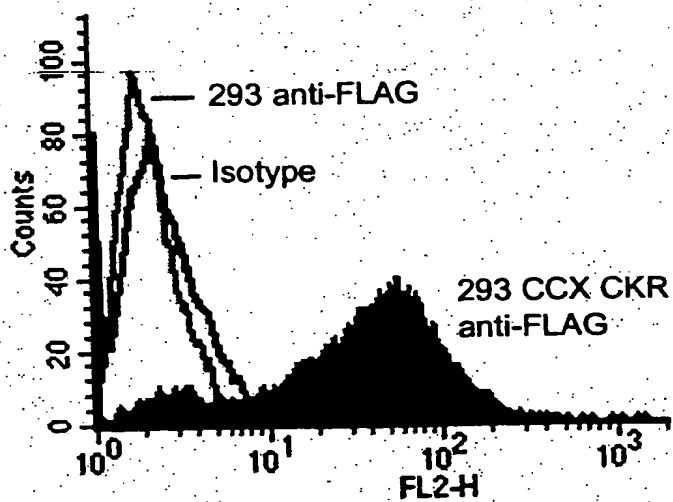
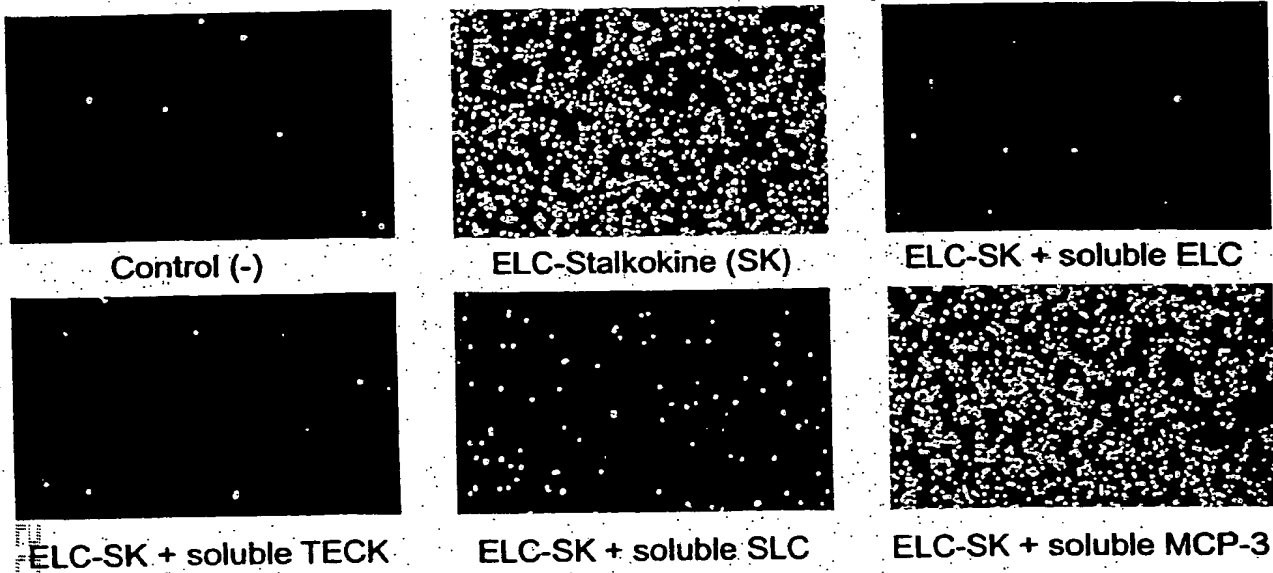


FIG. 2(c)

FIG. 3(a)

A



B

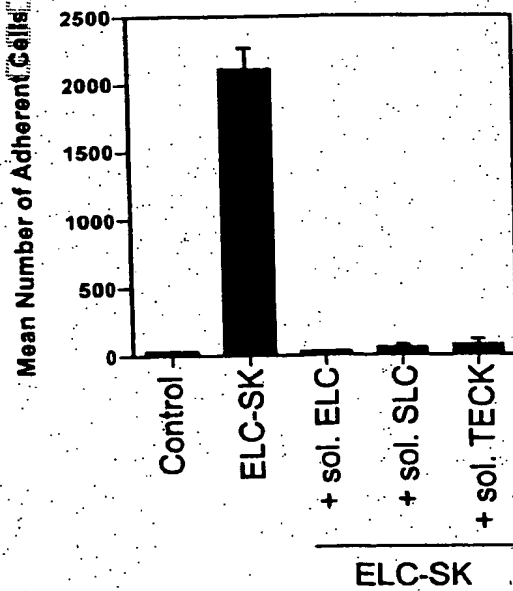


FIG. 3(b)

C

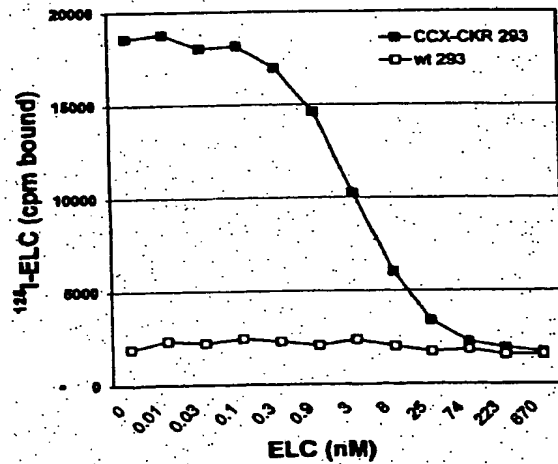


FIG. 3(c)

A

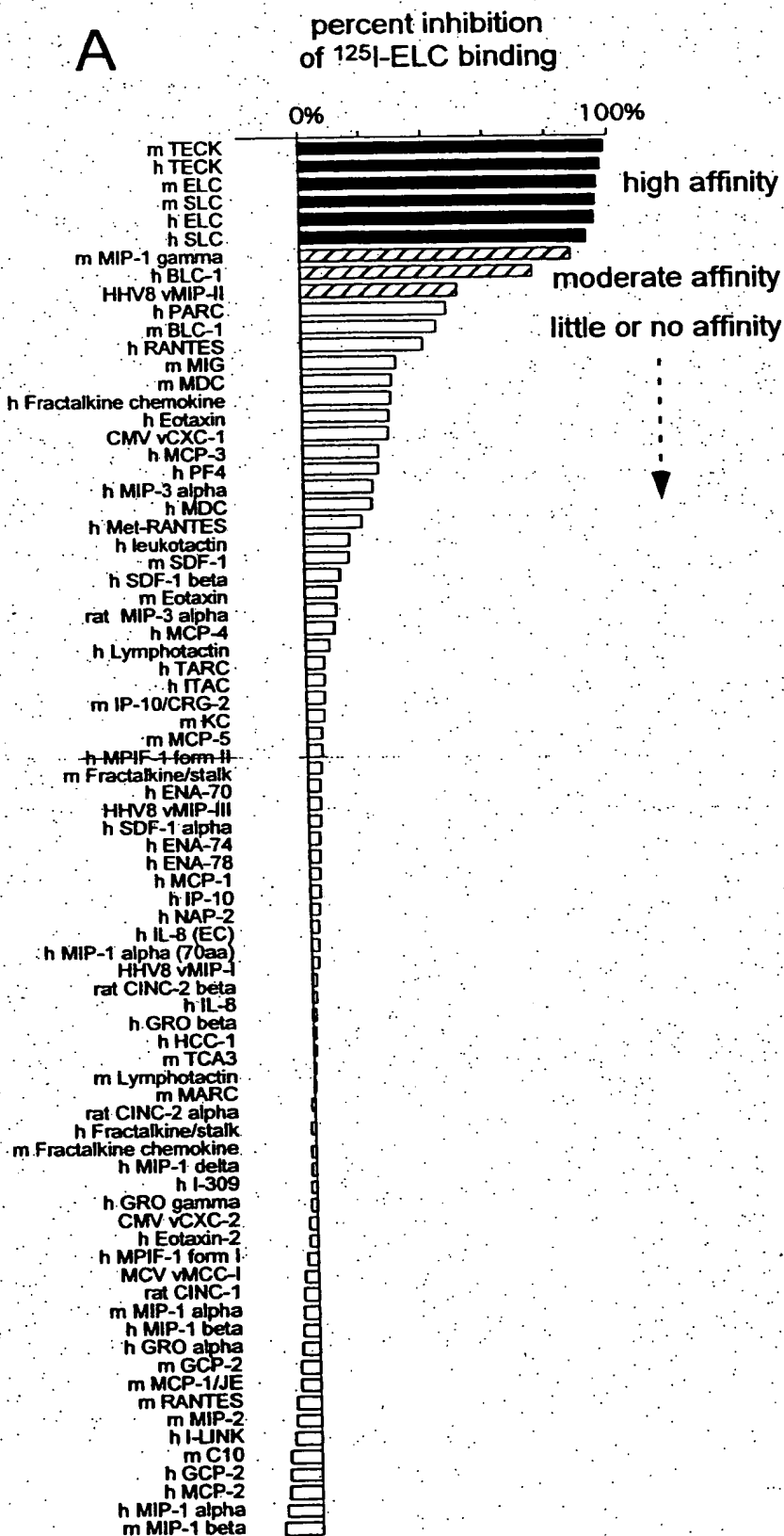
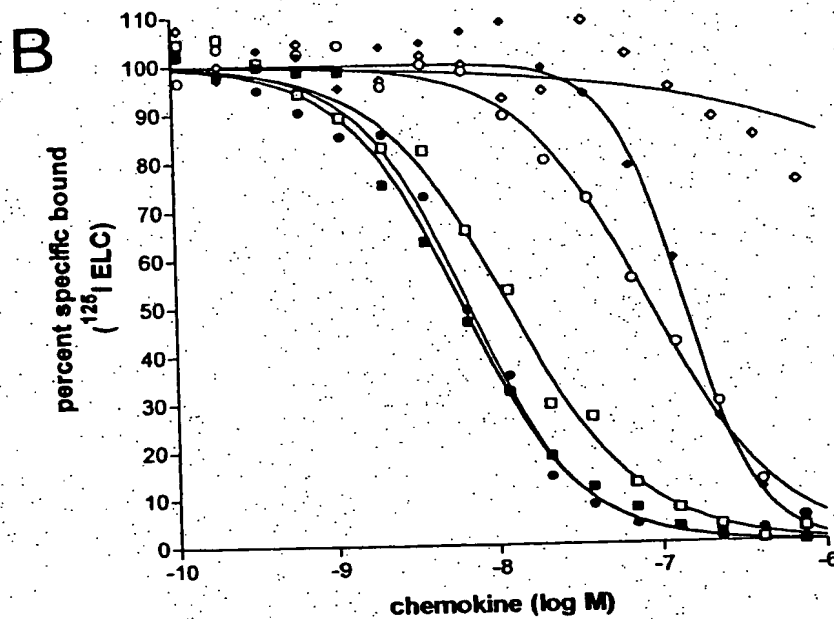


FIG. 4(a)



human chemokines		murine chemokines	
	IC ₅₀		IC ₅₀
■ h ELC	6 nM	■ m ELC	1 nM
□ h SLC	12 nM	□ m SLC	4 nM
● h TECK	7 nM	● m TECK	2 nM
• h BLC-1	140 nM	• m MIP-1 γ	70 nM
○ HHV8 vMIP-II	90 nM		
◊ h MCP-3	>2000 nM		

FIG. 4(b)

FIG. 5

5' upstream CCXCKR	ATGCAGCATC	TOGTTTATTA	AAGGCAACTA	GTGAAATTTA	GTGCAAATGC	50
5' upstream CCXCKR	TGAGAGAATT	TATTTAACTT	ATTTAAATTA	AATTTATAAA	TAACATCAA	100
5' upstream CCXCKR	ATAAAAAATA	AATTTAATTT	AAATAAACCA	AGTAATTTGC	TATTTTCGTT	150
5' upstream CCXCKR	TTTATTC AAT	TGTTGTAGA	TATACTTTTA	CGATTCACAA	AATTATGTAT	200
5' upstream CCXCKR	GTAAGATTA	TAACACTATT	TATTCCTTTT	AGTTAAATC	TAATTAAATT	250
5' upstream CCXCKR	TTTATATTTT	AAAAATCATT	TTTACATAAA	AGTCTTCACT	TTTATTTAGG	300
5' upstream CCXCKR	ATTTAATGAT	TAAGAAAATT	CTCCAGGGCA	TTATGTTTAT	TGTCCTGTTC	350
5' upstream CCXCKR	AAATCCAAGC	TCTTTCACAC	AGAATTGTAC	AAGCAAAGTT	TGAGTAACTA	400
5' upstream CCXCKR	ATCTTGGGGT	CATATTCCAA	TGTGGCTCCC	ATTAAAGCAT	TTCAAAGAGT	450
5' upstream CCXCKR	GCTAGATTCA	GGCTCACATA	TGTTACAGCA	ACAGGCTATA	CTCTAGGGAA	500
5' upstream CCXCKR	AGAACAAAAC	AGCTTGATAG	AAACTGTGTG	CTTTTAAGCA	TATTTAGACA	550
5' upstream CCXCKR	AATATCTATC	CTGTATTCTC	TTTGCCATCT	AGATTGGAGC	CTAGGCTTTC	600 9
5' upstream CCXCKR	<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> </div>					649 58
5' upstream CCXCKR	<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> </div>					685 108
5' upstream CCXCKR	<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> </div>					734 147
5' upstream CCXCKR	<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> </div>					740 197
5' upstream CCXCKR	<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> </div>					740 247
5' upstream CCXCKR	<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> </div>					740 297
5' upstream CCXCKR	<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> <div style="border: 1px solid black; padding: 2px;">TAAAGAGAAC</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> <div style="border: 1px solid black; padding: 2px;">GCTATTCAGT</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> <div style="border: 1px solid black; padding: 2px;">TATTTAAGCA</div> </div> </div>					740 347

Internalization by FACS 45 minute Incubation

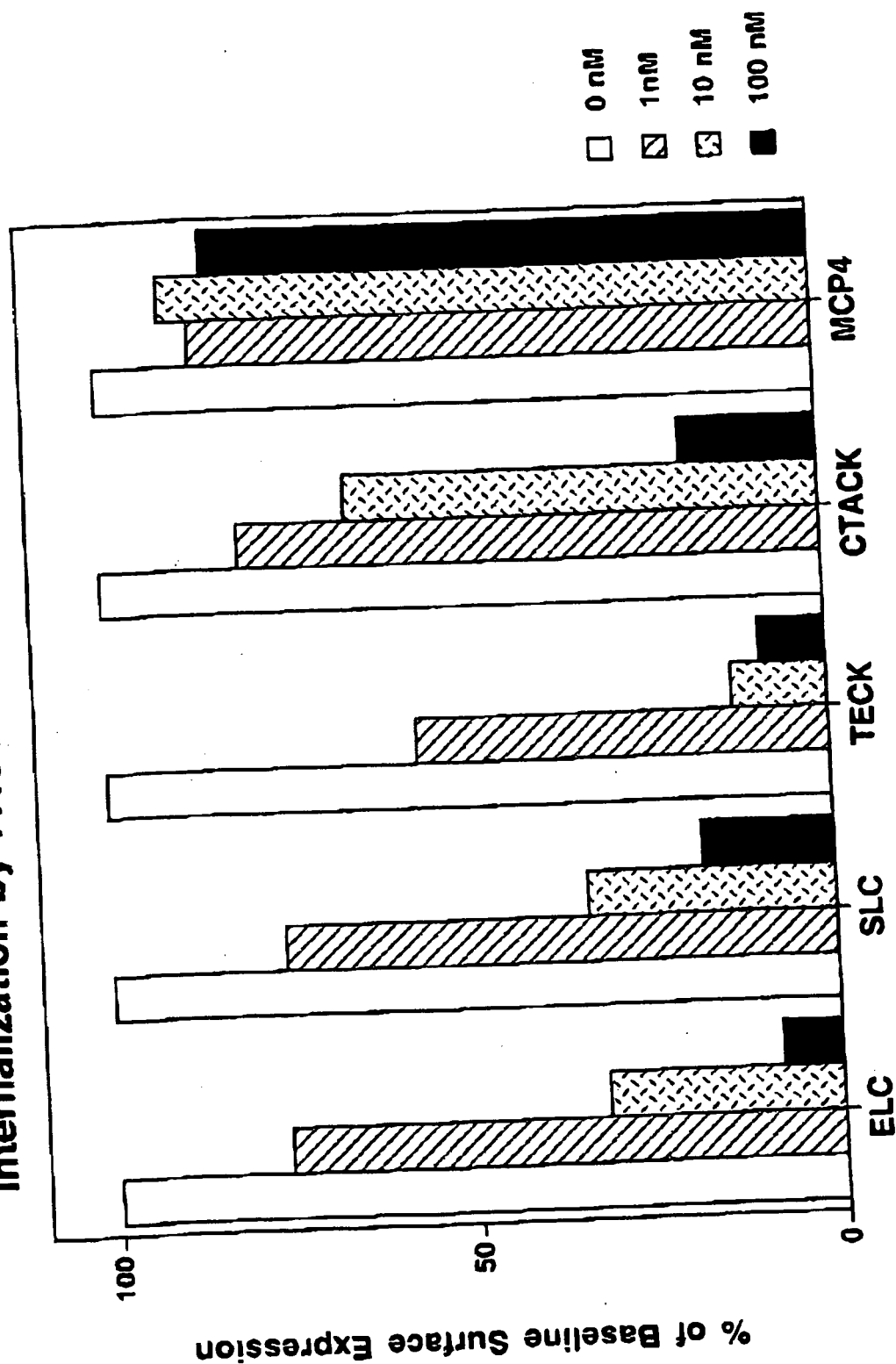


Fig. 6A

Internalization by FACS 15 minute Incubation

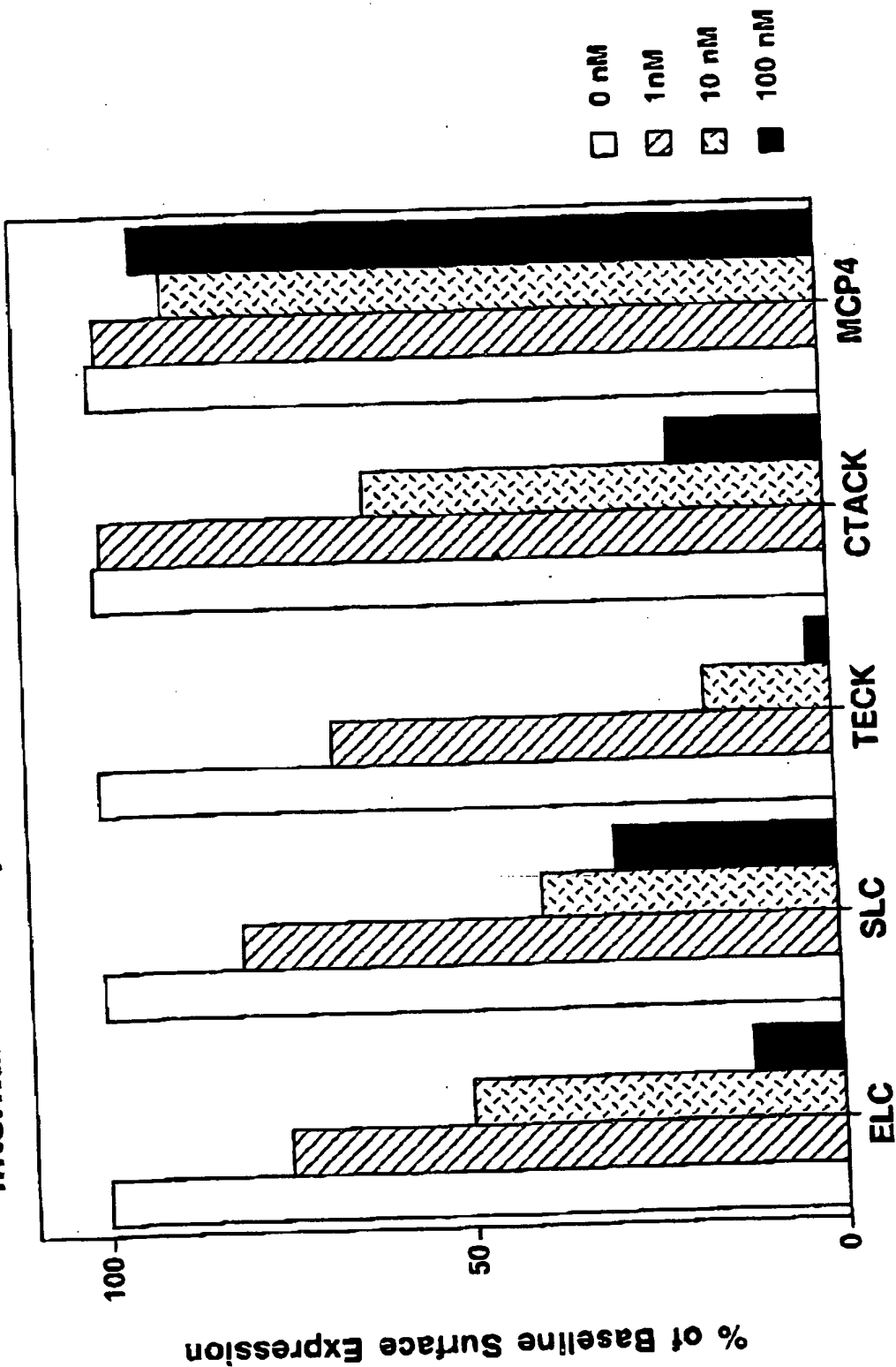


Fig. 6B